

that Amendment to correct the listing of claims with proper status designations, as follows:

In the Claims:

1 1-46. (Previously Cancelled)

1 47-66. (Cancelled herein)

1 67. (Currently Amended) A method of locating a graft assembly in
2 relation to an arteriotomy defined in a blood vessel, with the graft assembly
3 including (i) a graft having an orifice at an end thereof, and (ii) a plurality of arms
4 extending away from the orifice at the end of the graft, comprising the steps of:

5 aligning the orifice of the graft with the arteriotomy; and

6 locating the plurality of arms through the arteriotomy and within the blood
7 vessel.

1 68. (Cancelled herein)

1 69. (Currently Amended) The method of claim 67, ~~where~~ wherein
2 each of the plurality of arms extends through the arteriotomy and is located
3 adjacent to a an interior wall of the blood vessel.

1 70. (Currently Amended) ~~The~~ A method of ~~claim 67 wherein~~ locating
2 a graft assembly in relation to an arteriotomy defined in a blood vessel, with the

3 graft assembly including (i) a graft having an orifice; and (ii) a plurality of arms
4 extending away from the orifice of the graft, and (iii): ~~the graft assembly further~~
5 ~~includes a flange portion, and with~~ each of the plurality of arms are positioned in
6 contact with the flange portion-, the method comprising the steps of:
7 aligning the orifice of the graft assembly with the arteriotomy; and
8 locating the plurality of arms within the blood vessel.

f 1 71. (Original) The method of claim 70, wherein at least a part of each of
2 the plurality of arms is integrally positioned within the flange portion.

1 72. (Original) The method of claim 67, wherein the blood vessel is an
2 aorta.

1 73. (Original) The method of claim 67, wherein the graft is a synthetic
2 graft.

1 74. (Currently Amended) ~~The A method of claim 67, wherein each of~~
2 ~~the plurality of arms extends radially away from the orifice of the graft.~~ locating a
3 graft assembly in relation to an arteriotomy defined in a blood vessel, with the graft
4 assembly including (i) a graft having an orifice, and (ii) a plurality of arms
5 extending radially away from the orifice of the graft, comprising the steps of:
6 aligning the orifice of the graft with the arteriotomy; and

7 locating the plurality of arms within the blood vessel.

1 75. (Currently Amended) ~~The A~~ method of ~~claim 67, further~~ locating a
2 graft assembly in relation to an arteriotomy defined in a blood vessel, with the graft
3 assembly including (i) a graft having an orifice, and (ii) a plurality of arms
4 extending away from the orifice of the graft, comprising the steps of:

5 ~~prior to the aligning step,~~ locating the graft within a delivery device; and

6 advancing the delivery device toward the arteriotomy while the graft is
7 located within the delivery device;

8 aligning the orifice of the graft with the arteriotomy; and

9 locating the plurality of arms within the blood vessel;

10 wherein each of the plurality of arms is located in a first position in relation
11 to the graft during the advancing step, and

12 wherein each of the plurality of arms moves from the first position to a
13 second position in relation to the graft after the advancing step.

1 76. (Original) The method of claim 75, wherein each of the plurality of
2 arms moves from the first position to the second position due to spring action.

1 77. (Currently Amended) The A method of ~~claim 67~~, wherein the
2 ~~plurality of arms includes at least four (4) arms.~~ locating a graft assembly in
3 relation to an arteriotomy defined in a blood vessel, with the graft assembly
4 including (i) a graft having an orifice, and (ii) a plurality of arms including at least
5 four (4) arms extending away from the orifice of the graft, comprising the steps of:
6 aligning the orifice of the graft with the arteriotomy; and
7 locating the plurality of arms within the blood vessel.

1 78. (Original) The method of claim 75, wherein each of the plurality of
2 arms is maintained in the first position by an inner wall of the delivery device.

1 79. (Currently Amended) The A method of ~~claim 67~~, further locating a
2 graft assembly in relation to an arteriotomy defined in a blood vessel, with the graft
3 assembly including (i) a graft having an orifice, and (ii) a plurality of arms
4 extending away from the orifice of the graft, comprising the steps of:
5 aligning the orifice of the graft with the arteriotomy;
6 locating the plurality of arms within the blood vessel; and
7 inhibiting movement of the graft in a direction away from the blood vessel
8 due to physical interaction between the plurality of arms and the blood vessel.

1 80. (Original) A method of locating a graft assembly in relation to an
2 arteriotomy defined in a blood vessel, with the graft assembly including a graft and
3 a resilient support secured thereto, comprising the steps of:
4 locating the graft within a delivery device;
5 advancing the delivery device toward the arteriotomy while the graft is
6 located within the delivery device; and
7 removing the graft from the delivery device after the advancing step,
8 wherein the resilient support is maintained in a first configuration during the
9 advancing step, and
10 wherein the resilient support moves from the first configuration to a second
11 configuration due to spring action after the advancing step.

1 81. (Original) The method of claim 80, wherein after the removing step:
2 a first portion of the resilient support is located adjacent to a sidewall of the
3 blood vessel when the resilient support is positioned in the second configuration.

1 82. (Original) The method of claim 81, wherein after the removing step:
2 a second portion of the resilient support extends in a direction away from the
3 blood vessel when the resilient support is positioned in the second configuration.

1 83. (Original) The method of claim 82, wherein after the removing step:

2 at least some of the first portion is located within the blood vessel, and

3 at least some of the second portion is located outside of the blood vessel.

1 84. (Original) The method of claim 82, wherein after the removing step:

2 all of the first portion is located outside of the blood vessel, and

3 all of the second portion is located outside of the blood vessel.

1 85. (Original) The method of claim 80, wherein:

2 the graft assembly further includes a flange portion, and

3 at least some of the resilient support is positioned in contact with the flange

4 portion.

1 86. (Original) The method of claim 85, wherein the at least some of the

2 resilient support is integrally positioned within the flange portion.

1 87. (Original) The method of claim 80, wherein the blood vessel is an

2 aorta.

1 88. (Original) The method of claim 80, wherein the graft is a synthetic

2 graft.

1 89. (Original) The method of claim 82, wherein after the removing step:

2 the second portion of the resilient support extends radially away from an

3 orifice of the graft when the resilient support is positioned in the second
4 configuration.

1 90. (Original) The method of claim 80, wherein the resilient support
2 includes a plurality of spring arms.

1 91. (Original) The method of claim 90, wherein the plurality of spring
2 arms includes at least four (4) spring arms.

1 92. (Original) The method of claim 80, wherein the resilient support
2 member is maintained in the first configuration due to physical interaction with an
3 inner wall of the delivery device.

1 93. (Original) The method of claim 80, further comprising the step of
2 inhibiting movement of the graft in a direction away from the blood vessel with the
3 resilient support while the resilient support is positioned in the second
4 configuration.

1 94. (Original) A method of placing a graft assembly in relation to an
2 arteriotomy defined in a blood vessel, with the graft assembly including a graft and
3 a plurality of spring arms, comprising the steps of:
4 aligning an orifice of the graft with the arteriotomy; and
5 locating the plurality of spring arms adjacent to a wall of the blood vessel.

1 95. (Original) The method of claim 94, wherein the plurality of spring
2 arms are located within the blood vessel after the locating step.

1 96. (Original) The method of claim 94, wherein the plurality of spring
2 arms are located outside of the blood vessel after the locating step.

1 97. (Original) The method of claim 94, wherein the blood vessel is an
2 aorta.

1 98. (Original) The method of claim 94, wherein the graft is a synthetic
2 graft.

1 99. (Original) The method of claim 94, wherein each of the plurality of
2 spring arms is located adjacent to an end of the graft.

1 100. (Original) The method of claim 94, wherein each of the plurality of
2 spring arms is located adjacent to the orifice of the graft.

1 101. (Original) The method of claim 94, wherein:
2 the graft assembly further includes a flange portion, and
3 each of the plurality of spring arms is positioned in contact with the flange
4 portion.

1 102. (Original) The method of claim 101, wherein at least a part of each of
2 the plurality of spring arms is integrally positioned within the flange portion.

1 103. (Original) The method of claim 94, wherein each of the plurality of
2 spring arms extends radially away from the orifice of the graft after the locating
3 step.

1 104. (Original) The method of claim 94, further comprising the steps of:
2 prior to the aligning step, locating the graft within a delivery device; and
3 advancing the delivery device toward the arteriotomy while the graft is
4 located within the delivery device,

5 wherein each of the plurality of spring arms is located in a first position in
6 relation to the graft during the advancing step, and

7 wherein each of the plurality of spring arms moves from the first position to
8 a second position in relation to the graft after the advancing step.

1 105. (Original) The method of claim 94, wherein the plurality of spring
2 arms includes at least four (4) spring arms.

1 106. The method of claim 104, wherein each of the plurality of spring arms
2 is maintained in the first position due to physical interaction with an inner wall of
3 the delivery device.

1 107. (Original) The method of claim 94, further comprising the step of
2 inhibiting movement of the graft in a direction away from the blood vessel due to
3 physical interaction between the plurality of spring arms and an interior wall of the
4 blood vessel.

1 108. (Currently Amended) An anastomosis method for placing in a
2 blood vessel a conduit assembly including a blood-flow conduit having a resilient
3 flange integrally formed on an end thereof, the method comprising:

4 placing a the conduit assembly ~~adjacent to~~ in an arteriotomy defined in a
5 blood vessel, in alignment of ~~wherein the conduit assembly includes a blood flow~~
6 ~~conduit and a resilient member secured thereto, and wherein the placing step~~
7 ~~includes the steps of (i) aligning an orifice of the blood flow conduit with the~~
8 arteriotomy, ~~(ii) locating~~ with a first portion of the conduit assembly including the
9 resilient member flange within the blood vessel, and ~~(iii) locating~~ a second portion
10 of the resilient member conduit assembly outside of the blood vessel.

1 109. (Currently Amended) The An anastomosis method ~~of claim 108,~~
2 comprising:

3 placing a conduit assembly adjacent to an arteriotomy defined in a blood
4 vessel;

5 wherein the conduit assembly includes a blood flow conduit and a resilient

6 member secured thereto; and

7 wherein the placing step includes the steps of (i) aligning an orifice of the
8 blood flow conduit with the arteriotomy, (ii) locating a first portion of the resilient
9 member within the blood vessel, and (iii) locating a second portion of the resilient
10 member outside of the blood vessel; and

11 wherein the first portion locating step includes the steps of:

12 bending the resilient member to a first configuration;

13 advancing the first portion of the resilient member through the arteriotomy

14 while the resilient member is in the first configuration; and

15 allowing the resilient member to move from the first configuration to a

16 second configuration due to spring action after the advancing step.

1 110. (Currently Amended) ~~The~~ An anastomosis method of claim 109,

2 comprising:

3 placing a conduit assembly adjacent to an arteriotomy defined in a blood
4 vessel;

5 wherein the conduit assembly includes a blood flow conduit and a resilient
6 member secured thereto; and

7 wherein the placing step includes the steps of (i) aligning an orifice of the

8 blood flow conduit with the arteriotomy, (ii) locating a first portion of the resilient
9 member within the blood vessel, and (iii) locating a second portion of the resilient
10 member outside of the blood vessel; and

11 wherein the first portion locating step further includes the step of positioning
12 the first portion of the resilient member adjacent to a wall of the blood vessel.

1 111. (Cancelled herein)

1 112. (Cancelled herein)

1 113. (Currently Amended) The An anastomosis method of claim 108,

2 ~~wherein the blood vessel is~~ comprising:

3 placing a conduit assembly adjacent to an arteriotomy defined in an a blood
4 ~~vessel~~ aorta;

5 wherein the conduit assembly includes a blood flow conduit and a resilient
6 member secured thereto; and

7 wherein the placing step includes the steps of (i) aligning an orifice of the
8 blood flow conduit with the arteriotomy, (ii) locating a first portion of the resilient
9 member within blood vessel the aorta, and (iii) locating a second portion of the
10 resilient member outside of the blood vessel aorta.

1 114. (Original) The method of claim 108, wherein the blood flow
2 conduit is a synthetic graft.

1 115. (Currently Amended) The method of claim 108, wherein the ~~first~~
2 ~~portion of the~~ conduit assembly includes resilient member members in the flange
3 that each extends inside the blood vessel radially away from the orifice of the
4 blood flow conduit and extends through the arteriotomy in contact with and along
5 the blood flow conduit after the ~~first portion locating~~ placing step.

1 116. (Cancelled herein)

f 1 117. (Currently Amended) The An anastomosis method ~~of claim 108,~~
2 comprising:

3 placing a conduit assembly adjacent to an arteriotomy defined in a blood
4 vessel;

5 wherein the conduit assembly includes a blood flow conduit and a resilient
6 member secured thereto; and

7 wherein the placing step includes the steps of (i) aligning an orifice of the
8 blood flow conduit with the arteriotomy, (ii) locating a the first portion of the
9 resilient member includes including a plurality of struts within the blood vessel,
10 and (iii) locating a second portion of the resilient member outside of the blood
11 vessel.

118. (Original) The method of claim 117, wherein the second portion of the resilient member is attached to the graft.

119. (Original) The method of claim 117, wherein the plurality of struts includes at least four (4) struts.

120. (Currently Amended) ~~The~~ An anastomosis method of claim 108,
~~further comprising the step of~~

placing a conduit assembly adjacent to an arteriotomy defined in a blood vessel;

wherein the conduit assembly includes a blood flow conduit and a resilient member secured thereto; and

inhibiting movement of the blood flow conduit in a direction away from the blood vessel due to physical interaction between the first portion of the resilient member and the blood vessel;

wherein the placing step includes the steps of (i) aligning an orifice of the blood flow conduit with the arteriotomy, (ii) locating a first portion of the resilient member within the blood vessel, and (iii) locating a second portion of the resilient member outside of the blood vessel.

1 121. (Original) A method of positioning a conduit assembly in relation to
2 an arteriotomy, with the conduit assembly including a blood flow conduit and a
3 strut assembly, comprising the steps of:

4 placing the blood flow conduit within an interior space of a delivery device;
5 and

6 advancing a distal end of the delivery device toward the arteriotomy while
7 the blood flow conduit is located within the interior space of the delivery device;

8 wherein the strut assembly is positioned in a first configuration during the
9 advancing step; and

10 wherein the strut assembly moves from the first configuration to a second
11 configuration after the advancing step.

1 122. (Original) The method of claim 121, wherein the strut assembly
2 includes a plurality of struts.

1 123. (Original) The method of claim 122, wherein each of the plurality of
2 struts extend outwardly from an orifice of the blood flow conduit when the strut
3 assembly is positioned in the second configuration.

1 124. (Original) The method of claim 123, further comprising the step of
2 aligning an orifice of the blood flow conduit with the arteriotomy.

1 125. (Original) The method of claim 121, further comprising the step of
2 positioning each of the plurality of struts adjacent to a wall of the blood vessel after
3 the advancing step.

1 126. (Original) The method of claim 121, wherein each of the plurality of
2 struts is located within the blood vessel after the positioning step.

1 127. (Original) The method of claim 121, wherein each of the plurality of
2 struts is located outside of the blood vessel after the positioning step.

1 128. (Original) The method of claim 121, wherein each of the plurality of
2 struts is located adjacent to an end of the blood flow conduit.

1 129. (Original) The method of claim 121, wherein:
2 the conduit assembly further includes a flange portion, and
3 each of the plurality of struts is positioned in contact with the flange portion.

1 130. (Original) The method of claim 129, wherein at least a part of each of
2 the plurality of struts is integrally positioned within the flange portion.

1 131. (Original) The method of claim 121, wherein the blood vessel is an
2 aorta.

1 132. (Original) The method of claim 121, wherein the graft is a synthetic
2 graft.

1 133. (Original) The method of claim 121, wherein the strut assembly
2 moves from the first configuration to the second configuration due to spring action.

1 134. (Original) The method of claim 122, wherein the plurality of struts
2 includes at least four (4) struts.

1 135. (Original) The method of claim 121, wherein the strut assembly is
2 maintained in the first configuration due to physical interaction with an inner wall
3 of the delivery device.

1 136. (Original) The method of claim 121, further comprising the step of
2 inhibiting movement of the blood flow conduit in a direction away from a blood
3 vessel in which the arteriotomy is defined due to physical interaction between the
4 strut assembly and the blood vessel when the strut assembly is in the second
5 configuration.

1 137. (Original) A method of locating a conduit assembly in relation to an
2 opening defined in a blood vessel, with the conduit assembly including a blood
3 flow conduit and a plurality of struts, comprising:
4 advancing the plurality of struts into the blood vessel through the opening;

5 and

6 aligning an orifice of the blood flow conduit with the opening defined in the
7 blood vessel.

1 138. (Original) The method of claim 137, further comprising the step of
2 locating the plurality of struts adjacent to an interior wall of the blood vessel.

1 139. (Original) The method of claim 138, further comprising the step of
2 urging each of the plurality of struts against the interior wall of the blood vessel.

1 140. (Original) The method of claim 139, wherein the urging step includes
2 the step of placing a stent within the blood vessel and adjacent to the plurality of
3 struts to urge the struts against the interior wall of the blood vessel.

1 141. (Original) The method of claim 138, wherein the locating step
2 includes the step of positioning each of the plurality of struts to extend radially
3 away from the opening defined in the blood vessel.

1 142. (Original) The method of claim 137, further including the steps of:
2 prior to the aligning step, locating the graft within a delivery device; and
3 moving the delivery device toward the opening defined in the blood vessel
4 while the graft is located within the delivery device;

5 wherein each of the plurality of struts is located in a first physical
6 arrangement in relation to the blood flow conduit during the moving step; and

7 wherein each of the plurality of struts is reconfigured from the first physical
8 arrangement to a second physical arrangement in relation to the blood flow conduit
9 after the moving step.

1 143. (Original) The method of claim 142, wherein each of the plurality of
2 struts moves from the first physical arrangement to the second physical
3 arrangement due to spring action.

14 144. (Original) The method of claim 137, wherein each of the plurality of
2 struts is located adjacent to an end of the blood flow conduit.

1 145. (Original) The method of claim 137, wherein:
2 the conduit assembly further includes a flange portion; and
3 each of the plurality of struts is positioned in contact with the flange portion.

1 146. (Original) The method of claim 145, wherein each of the plurality of
2 struts is integrally positioned within the flange portion.

1 147. (Original) The method of claim 137, wherein the blood vessel is an
2 aorta.

1 148. (Original) The method of claim 137, wherein the blood flow conduit
2 is a synthetic graft.

1 149. (Original) The method of claim 137, wherein each of the plurality of
2 struts extends radially away from the orifice of the blood flow conduit after the
3 advancing step.

1 150. (Original) The method of claim 137, wherein the plurality of struts
2 includes at least four (4) struts.

1 151. (Original) The method of claim 142, wherein each of the plurality of
2 struts is maintained in the first configuration by an inner wall of the delivery
3 device.

1 152. (Original) The method of claim 137, further comprising the step of
2 inhibiting movement of the blood flow conduit in a direction away from the blood
3 vessel due to physical interaction between the plurality of struts and the blood
4 vessel.

1 153. (Original) A method of placing a conduit assembly adjacent to an
2 arteriotomy defined in a blood vessel, the conduit assembly including a blood flow
3 conduit and a resilient support secured thereto, comprising the steps of:
4 bending the resilient support into a first configuration,

5 advancing the resilient support partially through the arteriotomy while the
6 resilient member is in the first configuration, and

7 allowing the resilient support to move from the first configuration to a
8 second configuration due to spring action after the advancing step.

1 154. (Original) The method of claim 153, wherein the blood vessel is an
2 aorta.

1 155. (Original) The method of claim 153, wherein the blood flow conduit
2 is a synthetic graft.

1 156. (Original) The method of claim 153, wherein:
2 the conduit assembly further includes a flange portion;

3 the resilient support includes at least one arm; and

4 the at least one arm is positioned in contact with the flange portion.

1 157. (Original) The method of claim 156, wherein at least one arm is
2 integrally positioned within the flange portion.

1 158. (Original) The method of claim 153, wherein at least one arm extends
2 radially away from an orifice of the blood flow conduit after the allowing step.

1 159. (Original) The method of claim 153, further comprising the steps of:

2 prior to the advancing step, locating the blood flow conduit within a delivery
3 device; and

4 advancing the delivery device toward the arteriotomy while the blood flow
5 conduit is located within the delivery device.

1 160. (Original) The method of claim 153, wherein the resilient support
2 includes a plurality of arms.

1 161. (Original) The method of claim 160, wherein the plurality of arms
2 includes at least four (4) arms which are spaced apart from each other.

f₁
1 162. (Original) The method of claim 159, wherein the resilient support
2 member is maintained in the first configuration due to physical interaction with an
3 inner wall of the delivery device.

1 163. (Original) The method of claim 153, wherein the allowing step is
2 performed while a first portion of the resilient support is positioned on a first side
3 of the arteriotomy and a second portion of the resilient support is positioned on a
4 second side of the arteriotomy.

1 164. (Original) The method of claim 163, wherein:
2 the first portion of the resilient support is positioned within the blood vessel,
3 and

4 the second portion of the resilient support is positioned outside of the blood
5 vessel.

1 165. (Original) The method of claim 164, wherein the first portion of the
2 resilient support includes a plurality of support arms.

1 166. (Original) The method of claim 153, further comprising the step of
2 inhibiting movement of the blood flow conduit away from the blood vessel due to
3 physical interaction between the resilient support and the blood vessel after the
4 allowing step.

1 167.-424. (Cancelled herein)
